

IN THE CLAIMS

Please amend the claims as indicated below.

1 1. (Currently Amended) A light filter comprising:

2 a first layer of substantially opaque material including front and back surfaces;

3 a plurality of light transmissive beads disposed in a single-layer array within the

4 first layer of opaque material with first portions of the beads protruding through the front

5 surface of the first layer to receive incident light and with remaining portions of the beads

6 not disposed within the first layer penetrating through the back~~front~~ surface of the first

7 layer of opaque material to form light transmissive apertures therethrough~~and remaining~~

8 portions of the beads protruding through the back surface of and not disposed within the

9 first layer of substantially opaque material to receive incident light; and

10 a second layer of light-dispersing material having asymmetrical dispersion

11 characteristics along orthogonal axes, the second layer being disposed relative to the

12 beads and the first layer to disperse light incident thereon that is normal to the orthogonal

13 axes for to enhance light transmission within the output angle along one of the

14 orthogonal axes relative to light transmission within the output angle along another of the

15 orthogonal axes.

1 2. (Currently Amended) A The light filter according to claim 1 in which the

2 second layer is disposed to receive light emanating from the apertures.

1 3. (Currently Amended) A The light filter according to claim 1 in which the

2 second layer is interposed between incident light and the front~~remaining~~ portion of the

3 beads protruding through the back surface of and not disposed within surface of the first

4 layer of substantially opaque material.

1 4. (Currently Amended) The light filter according to claim 21 including a
2 conformal layer of transmissive material affixed to the back surface of the first layer and
3 the remaining portions of the transparent lenses overlaying the remaining portion of beads
4 to receive incident light.

1 5. (Currently Amended) The light filter according to claim 31 in which the
2 second layer includes elongated prismatic lenses oriented along one of the orthogonal
3 axes, and including surfaces oriented normal to incident light and sloping surfaces
4 oriented skewed to incident light, the prismatic lenses dispersing light in a non-reflective
5 manner, the second layer being interposed between incident light and the first portion of
6 beads protruding from the opaque layer for enhancing light transmission within one
7 output angle along a horizontal axis relative to light transmission within another output
8 angle along the vertical axis.

1 6. (Currently Amended) The light filter according to claim 2 in which the
2 second layer includes elongated prismatic lenses oriented in substantial alignment with a
3 vertical axis as one of the orthogonal axes, and including surfaces oriented normal to
4 incident light and sloping surfaces oriented skewed to incident light, the second layer
5 being disposed to receive light emanating from the apertures for enhancing light
6 transmission within one output angle along the horizontal axis relative to light
7 transmission within another smaller output angle along the vertical axis. The light filter
8 according to claim 1 in which the second layer includes formed lenticular arrays for
9 controlling dispersion of incident light and increasing transmittance of light through the
10 filter, the lenticular arrays having a selected radius of curvature relative to a radius R of

11 the beads.

1 7. (Currently Amended) The light filter according to claim 5 in which the
2 sloping surfaces include multiple facets at and different sloping angles.

1 8. (Original) The light filter according to claim 5 in which the sloping
2 surfaces adjacent the surfaces normal to incident light slope at different angles.

1 9. (Currently Amended) A light filter comprising:
2 a first layer of substantially opaque material including front and back surfaces;
3 a plurality of light transmissive, substantially spherical beads disposed in a single-
4 layer array within the first layer of opaque material with first portions of the beads
5 protruding through the front surface of the first layer to receive incident light and with
6 remaining portions of the beads not disposed within the first layer penetrating through the
7 back front surface of the first layer of opaque material to form light transmissive apertures
8 therethrough and remaining portions of the beads protruding through the back surface of
9 and not disposed within the first layer of substantially opaque material to receive incident
10 light; and
11 a support layer of transparent material disposed to receive light emanating through
12 the apertures; and
13 a prism layer disposed relative to the first portion of the beads and the support
14 layer to disperse light supplied thereto asymmetrically along orthogonal axes, the prism
15 layer including a plurality of aligned prisms each including a plurality of substantially
16 planar surfaces oriented along a substantially vertical axis, the prisms dispersing light
17 passing therethrough within a greater angle along the horizontal in a non-reflective
18 manner to enhance light transmission along one of the orthogonal axes relative to light

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end*
10
transmission along the other orthogonal axis than along the vertical axis.

10. (Original) The light filter according to claim 9 in which the prism layer is
2 a film.

1 11. (Cancelled)

1 12. (Cancelled)

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1 13. (Currently Amended) The light filter according to claim 42 in which the
2 beads have a radius R, and the thickness of the secondconformal layer is not greater than
3 R.

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1 14. (Currently Amended) The light filter according to claim 13 in which the
2 thickness of the secondconformal layer is about ten percent (10%) of R.

1 15. (Cancelled)

1 16. (Cancelled)

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1 17. (New) The light filter according to claim 1 in which the second layer
2 includes a material for scattering incident light.

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1 18. (New) The light filter according to claim 2 further comprising a support
2 layer of transparent material disposed intermediate the beads and the second layer.

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1 19. (New) The light filter according to claim 2 further comprising a support
2 layer of transparent material disposed relative to the beads and the second layer.

1 20. (New) The light filter according to claim 19 in which the second layer
2 includes prismatic lenses oriented along one of the orthogonal axes, and including
3 surfaces oriented normal to incident light and sloping surfaces oriented skewed to
4 incident light, the prismatic lenses dispersing light in a non-reflective manner.

1 21. (New) The light filter according to claim 19 in which the second layer

2 includes formed lenticular arrays for controlling dispersion of incident light and
3 increasing transmittance of light through the filter, the lenticular arrays having a selected
4 radius of curvature relative to a radius R of the beads.

1 22. (New) The light filter according to claim 20 in which the sloping surfaces
2 include multiple facets and different sloping angles.

1 23. (New) The light filter according to claim 20 in which the sloping surfaces
2 adjacent the surfaces normal to incident light slope at different angles.

1 24. (New) The light filter according to claim 19 in which the second layer
2 includes a material for scattering incident light.

1 25. (New) The light filter according to claim 2 further comprising a thin
2 transparent layer, the layer disposed between the first layer and the second layer, the
3 beads penetrating the first layer and the thin transparent layer to form apertures of
4 increased diameter.

1 26. (New) The light filter according to claim 25 in which the second layer
2 includes prismatic lenses oriented along one of the orthogonal axes, and including
3 surfaces oriented normal to incident light and sloping surfaces oriented skewed to
4 incident light, the prismatic lenses dispersing light in a non-reflective manner.

1 27. (New) The light filter according to claim 25 in which the second layer
2 includes formed lenticular arrays for controlling dispersion of incident light and
3 increasing transmittance of light through the filter, the lenticular arrays having a selected
4 radius of curvature relative to a radius R of the beads.

1 28. (New) The light filter according to claim 26 in which the sloping surfaces
2 include multiple facets and different sloping angles.

1 29. (New) The light filter according to claim 26 in which the sloping surfaces
2 adjacent the surfaces normal to incident light slope at different angles.

1 30. (New) The light filter according to claim 25 in which the second layer
2 includes a material for scattering incident light.

1 31. (New) The light filter according to claim 5 in which the prismatic lenses
2 disperse light by refraction.

Surface 1 32. (New) The light filter according to claim 5 in which the prismatic lenses
2 disperse light by scattering.

A19 1 33. (New) The light filter according to claim 9 in which the prisms disperse
2 light by refraction.

end Sept 1 1 34. (New) The light filter according to claim 9 in which the prisms disperse
2 light by scattering.

1 35. (New) The light filter according to claim 20 in which the prismatic lenses
2 disperse light by refraction.

1 36. (New) The light filter according to claim 20 in which the prismatic lenses
2 disperse light by scattering.

1 37. (New) The light filter according to claim 26 in which the prismatic lenses
2 disperse light by refraction.

1 38. (New) The light filter according to claim 26 in which the prismatic lenses
2 disperse light by scattering.